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(71) Applicant (for all designated States except US): YEDA RESEARCH AND DEVELOPMENT CO. LTD. AT THE WEIZMANN INSTITUTE OF SCIENCE [IL/IL]; P.O. Box 95, 76100 Rehovot (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): COHEN, Irun, R. [IL/IL]; 11 Hankin Street, 76354 Rehovot (IL). MIMRAN, Avishai [IL/IL]; Alon-Shvut, 90433 Gush Etzion (IL). QUINTANA, Francisco [AR/AR]; Teniente B, Matienzo 1831 1H, Capital Federal 1426 (AR). MOR, Felix [IL/IL]; 3 Mishol Hachen, 44419 Kfar Saba (IL). CARMI, Pnina [IL/IL]; 3 Marton Street, 76292 Rehovot (IL).

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(54) Title: CD25 DNA VACCINES FOR TREATING AND PREVENTING T-CELL MEDIATED DISEASES

(57) Abstract: The present invention relates to compositions comprising nucleic acids encoding the α chain of IL-2 receptor (IL-2Ra, CD25), homologs and fragment thereof, effective in the treatment and prevention of T cell mediated pathologies. The invention further provides methods for enhancing anti-ergotypic T cell activity in a subject in need thereof, and for treating or preventing T cell mediated pathologies, such as autoimmune diseases, inflammatory diseases and graft rejection.